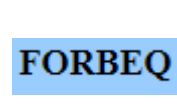




“Renewable energy and Quality of life”

the Laboratory for Preparation and Computation of Nanomaterials (www.lpcn.ufpa.br), Federal University of Pará, Brazil.

schedule	Speaker	Lecture
October 7, 2021		
13:00	The urgency of renewable energy.	Dr. Antonio Maia de Jesus Chaves Neto - UFPA/ Brazil
14:00	Photovoltaic Solar Energy: From Quartz to Silicon, Cells, Panels and Photovoltaic Systems.	Dr. Francisco das Chagas Marques, Physics Institute, University of Campinas (UNICAMP)
15:00	Asymmetric Charge Transfer from Pyrene Amide Dyads: Using Amides to Control Photochemistry of Pyrened.	Dr. Eli M. Espinoza, Naval Air Warfare Center Weapons Division, Chemistry Branch
October 13, 2021		
14:00	Problem Based Learning and Renewable Energy Sources in the scenario of the Brazilian New High School	Dr. Silvana Perez, UFPA
15:00	Hydrogen Production by Electrochemical Alcohol Reforming. A key solution for a decarbonization of the transport sector	DR. Germano Tremiliosi-Filho, Institute of Chemistry of São Carlos – University of São Paulo, Brazil
End of Registration Date		
October 14, 2021		
14:00	High quality Structural refinement of nanoparticle atomic arrangement from Pair distribution Function derived from Precession Electron diffraction in a TEM.	Dr. Daniel Ugarte, Instituto de Física “Gleb Wataghin”, Universidade Estadual de Campinas- UNICAMP, Campinas - SP, Brazil
15:00	Electron-deficient photosensitizers: How to make nitroaromatics fluoresce?	Dr. Valentine I. Vullev, University of California, Riversid
October 15, 2021		
10:00	CULTURAL SHOW	Rosevelt Bala
14:00	Strategies to improve the efficiency of photoelectrochemical water splitting systems.	Dr. Gerko Oskam, Department of Applied Physics, CINVESTAV-IPN, Mérida, Yucatán, México
15:00	Impedance Spectroscopy Analysis of Third Generation Solar Cells	Dr. Juan Antonio Anta, Universidad Pablo de Olavide de Sevilla
October 28, 2021		
14:00	Interactive materials design towards a sustainable world.	Dr. Caetano Rodrigues Miranda, Instituto de Física, USP
15:00	Closing the Wren 2021.	Dr. Antonio Maia de Jesus Chaves Neto - UFPA/ Brazil
End of abstract submission date		



<http://www.wren2021.ufpa.br/index.html>